

# Security & Building Systems Solutions

Intelligent Convergence with Augusta Systems® EdgeFrontier®

# Intelligent Integration & Policy Management

The management and security of buildings, facilities, and other real estate environments are undergoing a significant transformation. The walls between safety, security, building operations, and energy management are coming down.

Emerging requirements for integrated building management and control have necessitated technology solutions that can enable the convergence of all types of building systems. Augusta Systems, Inc. is taking the lead in developing platform technologies to meet the growing demand for these intelligent solutions.

Augusta Systems EdgeFrontier products enable convergence of data, events, and control functions from diverse devices and systems, regardless of protocol or vendor, while also supporting network-based distributed processing and a configurable event and policy-based rules engine. These capabilities enable the convergence of previously separate security systems and building systems in order to achieve increased efficiencies and operational excellence.

## Security Convergence

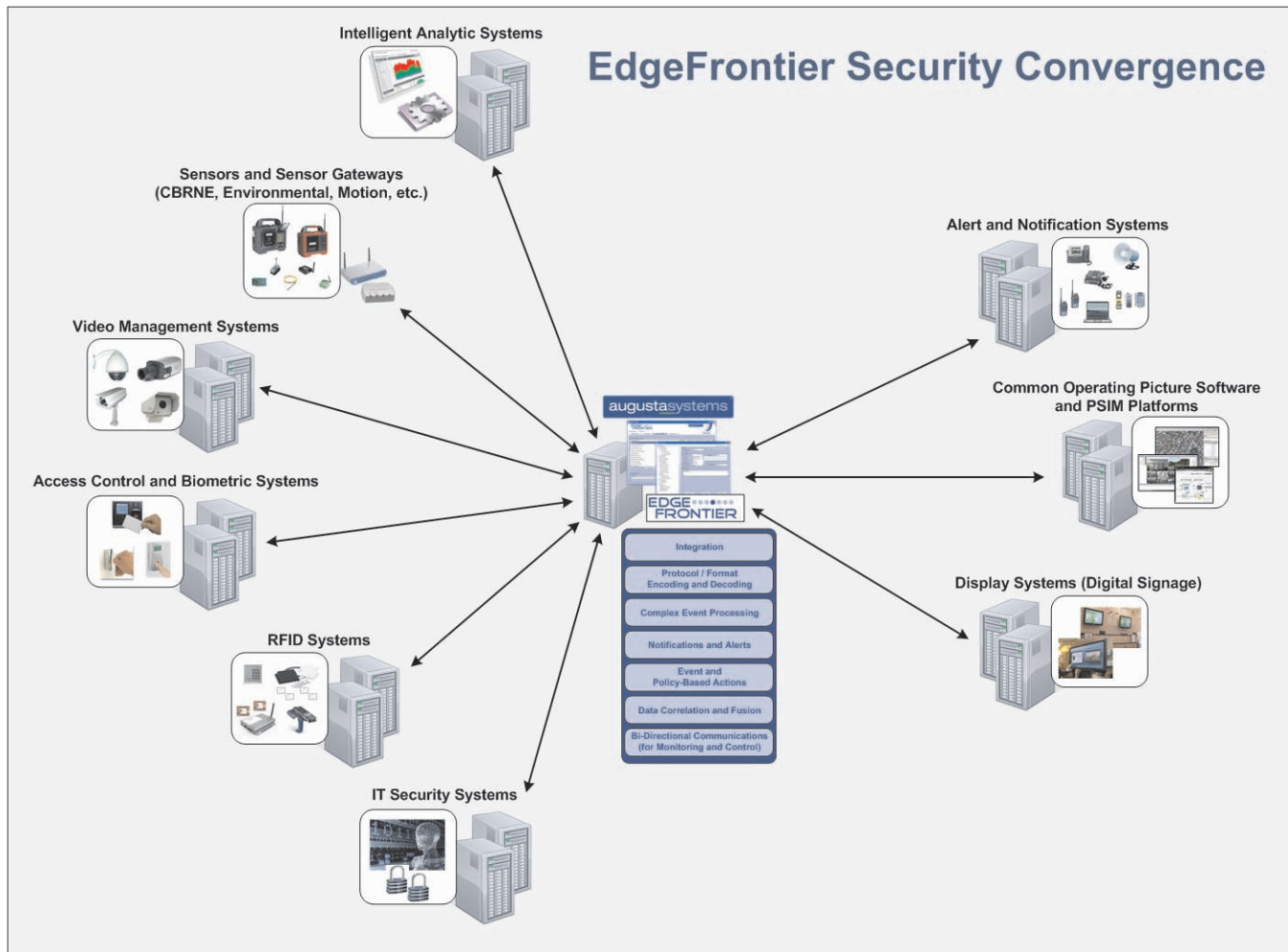
In the security arena, the distributed and evolving nature of threats has limited the utility of stand-alone camera systems as the sole line of defense, leaving many facilities potentially under-protected by existing surveillance systems. More comprehensive protection requires a variety of devices and systems, such as video cameras, access control systems, motion detection systems, chemical and biological threat sensors, intelligent analytics, and biometric systems. Moreover, these physical security systems should link to information technology (IT) security systems to provide a truly holistic view of security.

The trend toward diverse device and system deployments has led to the need for convergence of data from these assets in order to maximize the opportunities for real-time monitoring and response. Yet, security convergence can be a stumbling block for many organizations, as they struggle to overcome the challenges of system integration and data management.

With features that include integration, protocol/format encoding and decoding, notification management, complex event processing, and policy management, among others, EdgeFrontier can overcome these hurdles and power the convergence of diverse security assets for enhanced situational awareness and response. EdgeFrontier can connect key assets such as video surveillance systems, access management systems, electronic devices (such as sensors and motion detection systems), notification systems, display systems, IT security and management systems, and user systems, such as physical security information management (PSIM) platforms and common operating picture software. The linkage among devices, systems, and networks provides the foundation for intelligent convergence to occur.

In security convergence deployments (see diagram on the following page), Augusta Systems EdgeFrontier technologies are utilized in three primary ways:

- (1) To support integration and normalization of data, events, and control functions between and among devices and systems
- (2) To support centralized or distributed event or policy-based processing of data to push intelligence beyond the data center throughout the network infrastructure
- (3) To provide connectivity between security devices and systems, other enterprise systems, and information management, display, and notification systems



## Intelligent Buildings & Beyond

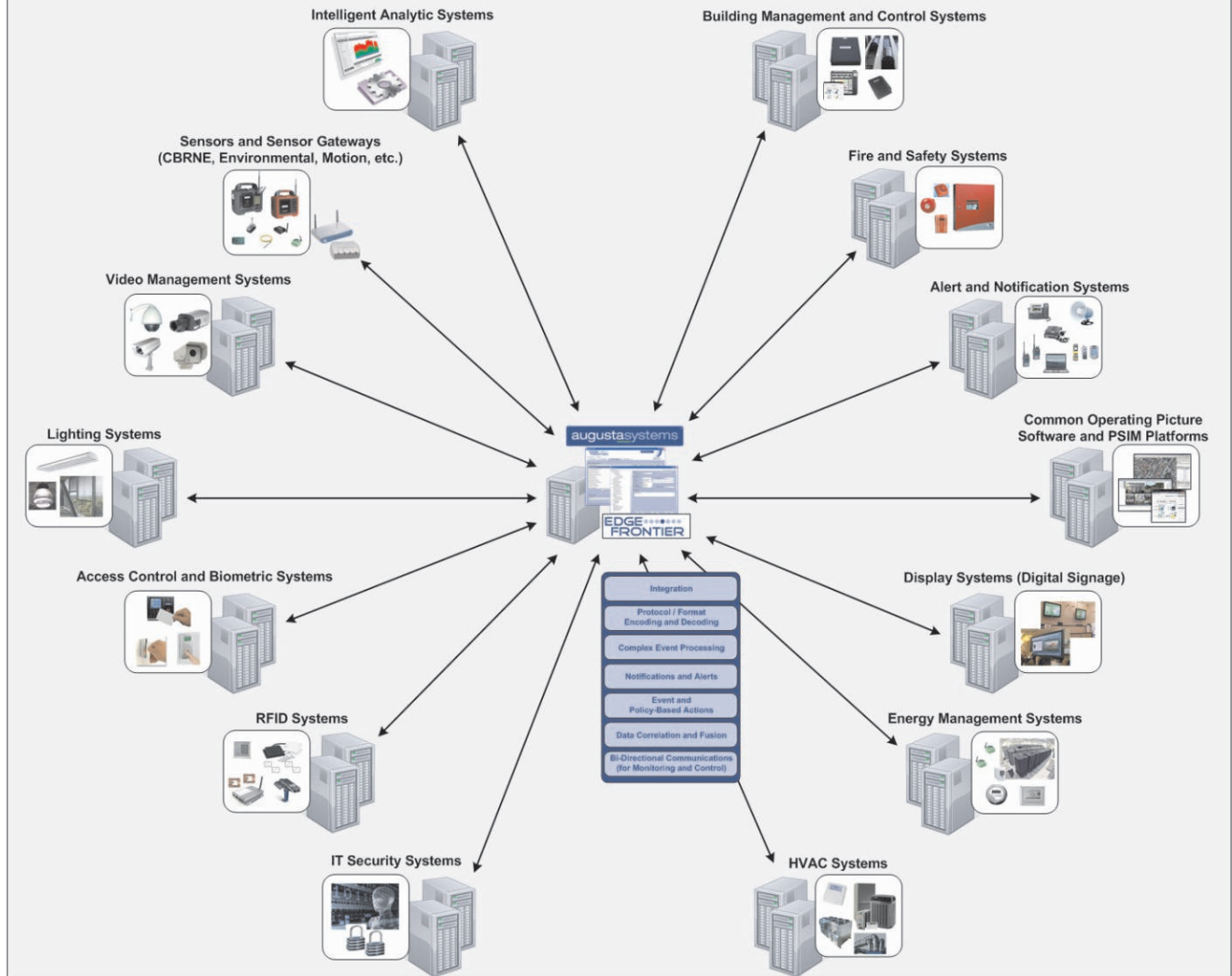
Spurred by the potential benefits of security convergence, enterprises are also examining opportunities for total facility risk management through converged systems. As a result, the building systems market is also entering an era of transition, moving toward complete building systems management and control.

Beyond security systems and assets, enterprises are heightening requirements for monitoring, control, and automation within buildings, campus environments, and remote locations. As a result, more sensors, systems, and instruments are being deployed in fixed locations and through mobile devices to provide better and more complete information to facility management personnel.

Total building systems convergence can present challenges to the enterprise, with the diversity of lighting systems, energy systems, HVAC systems, display systems, security systems, and communications systems, among others. However, significant value can be created for the enterprise when these devices and systems are converged into a single solution. As with security convergence, Augusta Systems EdgeFrontier technologies can enable integrated building and security management deployments (see diagram on the following page) in three primary ways:

- (1) To support integration and normalization of data, events, and control functions between and among devices and systems
- (2) To support centralized or distributed event or policy-based processing of data to push intelligence beyond the data center throughout the network infrastructure
- (3) To provide connectivity between building management systems, other enterprise systems, and information management, display, and notification systems

## EdgeFrontier Security and Building Systems Convergence



## Benefits

Whether utilized for security convergence requirements or fully integrated building management demands, Augusta Systems EdgeFrontier products for integration and policy management are the platform technologies that enable the most robust and dynamic, intelligent solutions for the enterprise. Specific benefits that result for government, industrial, and commercial organizations that utilize EdgeFrontier include:

- Enabling integration and utilization of diverse device, system, and network data, events, and control functions
- Enabling convergence of data within enterprise IT infrastructures and IP networks to enhance analysis and response
- Maximizing existing client technology assets and leveraging future investments by enabling the building and management of open, scalable solutions
- Increasing value of data through system and network-driven access, processing, and correlations
- Reducing the total cost of ownership of devices, systems, and networks
- Increasing return on investment for devices, systems, and networks

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## About Augusta Systems

Augusta Systems, Inc. powers the intelligent convergence of devices, systems, and networks. Our award-winning EdgeFrontier products provide configurable technology platforms for building and managing complex monitoring, control, and automation solutions, including applications for safety and security, energy and utility management, asset tracking, building management, and other business functions.

Our products support integration and normalization of data, events, and control functions from diverse devices, systems, and networks, regardless of manufacturer or communications protocol. In addition, EdgeFrontier products provide structures for event processing and configuration of event or policy-based actions through a policy engine.

Leveraging these capabilities, EdgeFrontier products enable rapid creation of open, interoperable solutions featuring distributed processing, control, and automation throughout the network infrastructure. With the power of EdgeFrontier products, enterprises can unlock new features, decrease solution development costs, improve operational efficiencies, and increase the return on investment for new and legacy devices, systems, and networks.

For more information please visit [www.augustasystems.com](http://www.augustasystems.com).